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TITLE : POLYENE ACID DERIVATIVE

ABSTRACT : PURPOSE: To provide the title novel compound having platelet coagulation- inhibitory activity, contractive and dilative activity for arterial wall, etc., thus useful e.g. as a preventive/therapeutic agent for thrombosis and arteriosclerosis etc., anti-inflammatory agent, or carcinostatic.

CONSTITUTION: The objective compound of formula RCO-NHR<sup>1</sup> (RCO is 20-22C polyene acid group; R<sup>1</sup> is OH or (CH<sub>2</sub>)<sub>n</sub>NR<sup>2</sup>R<sup>3</sup>; R<sup>2</sup> and R<sup>3</sup> are alkyl; n is integer: ≤3), for example, N-[2-(N',N'-dimethylamino)ethyl]-5Z,8Z,11Z,14Z,17Z-eicosapentaenamide. The present compound can be obtained by reaction between (A) a polyene acid's reactive derivative (e.g. acid anhydride, ester, acid halogenide) and a compound of formula NHR<sup>1</sup>.

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